Name:

p1103: Expand Product of Linear Binomials (v22)

Question 1

Expand the product of linear binomials. $(x - 6)(x + 8)$

$$x^2 + 8x - 6x - 48$$

$$x^2 + 2x - 48$$

Question 2

Expand the product of linear binomials. $(x - 1)(x + 3)$

$$x^2 + 3x - x - 3$$

$$x^2 + 2x - 3$$

Question 3

Expand the product of linear binomials. $(x + 4)(x + 8)$

$$x^2 + 8x + 4x + 32$$

$$x^2 + 12x + 32$$

Question 4

Expand the product of linear binomials. $(-4x + 1)(-6x + 2)$

$$24x^2 - 8x - 6x + 2$$

$$24x^2 - 14x + 2$$

Question 5

Expand the product of linear binomials. $(x - 8)(-3x - 8)$

$$-3x^2 - 8x + 24x + 64$$

$$-3x^2 + 16x + 64$$

Question 6

Expand the product of linear binomials. $(x-5)(x-9)$

$$x^2 - 9x - 5x + 45$$

$$x^2 - 14x + 45$$

Question 7

Expand the product of linear binomials. $(-4x-1)(2x-1)$

$$-8x^2 + 4x - 2x + 1$$

$$-8x^2 + 2x + 1$$

Question 8

Expand the product of linear binomials. $(x-2)(x-2)$

$$x^2 - 2x - 2x + 4$$

$$x^2 - 4x + 4$$

Question 9

Expand the product of linear binomials. $(-8x-3)(5x+4)$

$$-40x^2 - 32x - 15x - 12$$

$$-40x^2 - 47x - 12$$

Question 10

Expand the product of linear binomials. $(7x+2)(-x+3)$

$$-7x^2 + 21x - 2x + 6$$

$$-7x^2 + 19x + 6$$